Computer Vision and Image Analysis and Interpretation

Workplan Presentation

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| **2:00 pm** | **Raymund LaguaChristopher Hicks** | **Mark: 4** |
| **Fruit ID** |
| **Comments**Very good introduction.17/20 correct segmentation in colour does not seem very good. Procedural method ok. What could you do to make it more robust ? Size: calibrate the geometry and use pixel count rather than a ratio. Use one colour space if possible. Texture estimation might help. Using HSV (or similar) is a good idea but you only need to use the 2 chrominance values and not the luminance. This will make it more robust to illumination variation. Quick clear response to questions. |

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| **2:20 pm** | **Guanshen Yan** | **Mark 3** |
| **Playing Cards** |
| **Comments**A largely clear presentation. Could have been more detailed and could have been abetter detail of understanding. Need to use colour for speed – but do not need to use all colour channels every time. Time to access all colour channels is not necessarily a problem. Do not need to rotate the card. Convex hull is good. Must understand method. Also make sure you understand the need for a scale and rotation invariant feature. It will be much easier to count the suit ‘blobs’ rather than character recognition. Need to deal with overlapping.Allow time for evaluation.A little slow responding to questions and answers not clear. You did get to the right place in the end. |

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| **2:40 pm** | **Joel Cox** | **Mark 2** |
| **Playing Cards** |
| **Comments**Clear presentation. Should have been more detailed and could have expressed a better understanding.Need to have an automatic threshold selection. You need to quickly formulate a method. Initially get to work on the playing card segmentation. This will get you started.Collecting test data.Quick response to questions.Want to look at a hexagonal tesallation. Need a detailed plan and to think about classification. |